

ABSTRACT OF THE DISCLOSURE

An injection unit for an injection molding machine includes a barrel and a plasticizing screw received in the barrel. An electromotive rotary drive causes the plasticizing screw to rotate and is supported for joint movement with the plasticizing screw in relation to the barrel in direction of an injection stroke. The plasticizing screw and the rotary drive are moved by an electromechanical injection stroke drive to execute the injection stroke. A linear guide is connected to a machine bed for guiding a longitudinal movement of the injection stroke drive and the plasticizing screw. Misalignment of the coaxial disposition of the plasticizing screw, the rotary drive and the injection stroke drive is eliminated by providing a housing shell which is torsionally stiff and moveably accommodates the rotary drive, wherein the plasticizing barrel and the injection stroke drive are connected by the housing shell in a tension-proof manner and supported via the housing shell on the linear guide for longitudinal movement.